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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/987,379	11/14/2001	Ji Hyun Hwang	MRE-0040	6698
34610	7590	01/24/2005	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			TRINH, MINH N	
			ART UNIT	PAPER NUMBER
			3729	

DATE MAILED: 01/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/987,379	HWANG ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Minh Trinh	3729	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 15 November 2004.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 5,7-21 and 25-30 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 25-30 is/are allowed.
- 6) Claim(s) 5,11,12,15,20 and 21 is/are rejected.
- 7) Claim(s) 7-10,13,14 and 16-19 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    - a) All    b) Some \* c) None of:
      1. Certified copies of the priority documents have been received.
      2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
      3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_

**DETAILED ACTION**

1. The amendment filed on 11/15/05 has been fully considered and made of record.
  
2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
  
3. Claims 5, 12 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weber et al (US 5,725,140) in view of Asai et al (5,294,035). This rejection is set forth in prior Office Action, paragraph 3, dated 8/18/04.
  
4. Claims 5, 6, 11-12, 15 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hawkswell (4,687,152) in view of Asai et al (5,294,035). This rejection is set forth in prior Office Action, paragraph 4, dated 8/18/04.
  
5. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Weber et al or Hawkswell in view of Asai et al as applied above and further in view of Witte (US 6,162,007). This rejection is set forth in prior Office Action, paragraph 5, dated 8/18/04.

***Response to Arguments***

6. Applicant's arguments filed on 11/15/05 have been fully considered but they are not persuasive. Because of the following reasons.

a) Applicants argue that the combine prior art references do not teach the forward and backward force-generating device (see under the "Remarks" page 10, 2<sup>nd</sup> paragraph). The Examiner disagrees because, as discussed in the previous Office action paragraph 3, that Asai et al teach this particularly feature element for generating force including forward and backward in term of counterclockwise and clockwise rotations (see discussion at bottom of the abstract). Therefore, the feature element as described above is indeed taught by the modified teachings of Weber et al in view of Asai et al.

Further, applicants argue that there is no motivation to combination or modification of references (as discussed on bottom of page 10 thru page 12 of their "Remarks"). The Examiner also disagrees because the prior art references for their teaching component feeding devices and the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, the prior art references do teach the component feeding apparatus including tape feeding drive, rotating ratchet, etc., devices for surface mounter device and/or placement system and the motivation for the combination can be found in either references (i.e., see Asai et al discussion at col. 4, lines 9-14, etc).

For all reasons above, Applicants' arguments are not persuasive and are not clearly point out the patentable novelty which they thinks the claims present in view of the state of the art disclosed by the references cited or the rejections made. Therefore, the prior art rejection is maintained for same reasons of the record.

7. Claims 7-10, 13-14 and 16-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
8. Claims 25-30 are allowed.

#### **Interviews After Final**

9. Applicants note that an interview after a final rejection will not be granted unless the intended purpose and content of the interview in presented briefly, in writing (the agenda of the interview must be in writing). Such an interview may be granted if the examiner is convinced that disposal or clarification for appeal may be accomplished with only nominal further consideration. Interviews merely to restate arguments of record or to discuss new limitations which would require more than nominal reconsideration or new search will be denied. See MPEP 714.13 and 713.09.

#### ***Conclusion***

10. It is noted that any amendment made to the disclosure and the claims. Applicant requires to point out the support provide numeral references to the claimed limitations

as well as support in the disclosure (i.e., page and line numbers and reference number associated with from the drawings) for better clarity (See 37CFR 1.111 and section 2163.06 of the MPEP).

**11. THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

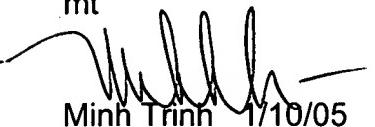
**12.** Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Trinh whose telephone number is (703) 305-2887. The examiner can normally be reached on Monday -Thursday 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on (703) 308-1789. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-7307 for regular communications and (703) 305-3579 for After Final communications.

Art Unit: 3729

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1148.

mt



Minh Trinh

Primary Examiner Group 3700

1710/05